

Please type or sign (+) inside this box → +

PTO/SB/05 (4/98)
Approved for use through 08/31/2000 GOMB 0651-0032Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new non-provisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. PD-02W158

First Inventor or Application Identifier DAVID J. KNAPP

Title OPTICAL SYSTEM HAVING A TRANSMISSION

Express Mail Label No. EV 291142412 US

PO
100-3001
100-3001
100-3001+
08/04/03**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for processing)

2. Specification (preferred arrangement set forth below)
 Total Pages 18

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. Drawing(s) (35 U.S.C. 113) Total Sheets 4

4. Oath or Declaration Total Pages []

a. Newly Executed Combined Declaration and Power of Attorney

b. Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed)

i. DELETION OF INVENTOR(S)
Signed statement attached deleting Inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

[NOTE FOR ITEMS 1 & 15: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.37), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).]

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

5. Microfiche Computer Program (Appendix)

6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

- a. Computer Readable Copy
- b. Paper Copy (identical to computer copy)
- c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. Assignment Papers (cover sheet & document(s))

8. 37 C.F.R. § 3.73(b) Statement Power of (when there is an assignee) Attorney

9. English Translation Document (if applicable)

10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations

11. Preliminary Amendment

12. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

13. * Small Entity Statement(s) Statement filed in prior application (PTO/SB/09-12)
Status still proper and desired

14. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

15. Other: **Certificate of Mailing**

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:
 Continuation Divisional Continuation-in-part (CIP) of prior application No: _____
 Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

| | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|----------------|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | | <input type="checkbox"/> or <input type="checkbox"/> Correspondence address below <i>(Insert Customer No. or Attach bar code label here)</i> | | | |
| Name | Patent Docket Administration RAYTHEON COMPANY | | | | |
| Address | Bldg. EO/E4/N119 P.O. Box 902 | | | | |
| City | El Segundo | State | California | Zip Code | 90245 |
| Country | United States of America | Telephone | (520) 794.7980 | Fax | (520) 794-8171 |

| | | | |
|-------------------|-----------------------|-----------------------------------|--------|
| Name (Print/Type) | Thomas J. Finn | Registration No. (Attorney/Agent) | 48,066 |
| Signature | <i>Thomas J. Finn</i> | Date | 8-4-03 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

17264
08/04/03
U. S. PTO

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750.00)

Complete if Known

| | |
|----------------------|------------------|
| Application Number | NOT YET ASSIGNED |
| Filing Date | HEREWITH |
| First Named Inventor | DAVID J. KNAPP |
| Examiner Name | NOT YET ASSIGNED |
| Art Unit | NOT YET ASSIGNED |
| Attorney Docket No. | PD-02W158 |

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None
 Deposit Account:

50-0888

RAYTHEON COMPANY

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEES CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|--------------|--------------|---------------|---------------|------------------------|-------------|
| 1001 750 | 2001 375 | | | Utility filing fee | 750.00 |
| 1002 330 | 2002 165 | | | Design filing fee | |
| 1003 520 | 2003 260 | | | Plant filing fee | |
| 1004 750 | 2004 375 | | | Reissue filing fee | |
| 1005 160 | 2005 80 | | | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$ 750.00) |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Independent Claims | Multiple Dependent | Extra Claims -20% = | Fee from below | Fee Paid |
|--------------|--------------------|--------------------|---------------------|----------------|----------|
| 20 | 3 | | 0 | X | 0- |
| 3 | | | -3** = | X | 0- |
| | | | | | |

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description |
|--------------|--------------|---------------|---------------|------------------------------------------------------------|
| 1202 18 | 2202 9 | | | Claims in excess of 20 |
| 1201 84 | 2201 42 | | | Independent claims in excess of 3 |
| 1203 280 | 2203 140 | | | Multiple dependent claim, if not paid |
| 1204 84 | 2204 42 | | | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | | | ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) | | | | (\$ 0- |

** or number previously paid, if greater. For Reissues, see above

FEES CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|--------------|--------------|---------------|---------------|----------------------------------------------------------------------------|----------|
| 1051 130 | 2051 65 | | | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | | | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | | | Non-English specification | |
| 1812 2,520 | 1812 2,520 | | | For filing a request for ex parte reexamination | |
| 1804 920* | 1804 920* | | | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | | | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2251 55 | | | Extension for reply within first month | |
| 1252 410 | 2252 205 | | | Extension for reply within second month | |
| 1253 930 | 2253 465 | | | Extension for reply within third month | |
| 1254 1,450 | 2254 725 | | | Extension for reply within fourth month | |
| 1255 1,970 | 2255 985 | | | Extension for reply within fifth month | |
| 1401 320 | 2401 160 | | | Notice of Appeal | |
| 1402 320 | 2402 160 | | | Filing a brief in support of an appeal | |
| 1403 280 | 2403 140 | | | Request for oral hearing | |
| 1451 1,510 | 1451 1,510 | | | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | | | Petition to revive - unavoidable | |
| 1453 1,300 | 2453 650 | | | Petition to revive - unintentional | |
| 1501 1,300 | 2501 650 | | | Utility issue fee (or reissue) | |
| 1502 470 | 2502 230 | | | Design issue fee | |
| 1503 630 | 2503 310 | | | Plant issue fee | |
| 1460 130 | 1460 130 | | | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | | | Processing fee under 37 CFR 1.17(q) | |
| 1808 180 | 1808 180 | | | Submission of Information Disclosure Stmt | |
| 8021 40 | 8021 40 | | | Recording each patent assignment per property (times number of properties) | 40.00 |
| 1809 750 | 2809 375 | | | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 750 | 2810 375 | | | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 750 | 2801 375 | | | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | | | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

SUBMITTED BY

(Complete if applicable)

| | | | | | |
|-------------------|----------------------------|-----------------------------------|--------|-----------|--------------|
| Name (Print/Type) | Thomas J. Finn | Registration No. (Attorney/Agent) | 48,066 | Telephone | 520.794.7980 |
| Signature | <i>Thom J. Finn</i> 8-4-03 | | | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, completing and reviewing the information and sending the completed application form to the USPTO. This will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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FEE TRANSMITTAL

for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

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| Application Number | NOT YET ASSIGNED |
| Filing Date | HEREWITH |
| First Named Inventor | DAVID J. KNAPP |
| Examiner Name | NOT YET ASSIGNED |
| Art Unit | NOT YET ASSIGNED |
| Attorney Docket No. | PD-02W158 |

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number 50-0888

RAYTHEON COMPANY

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) during the pendency of this application

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| 1004 750 | 2004 375 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) (\$ 750.00) | | | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Independent Claims | Extra Claims from below | Fee Paid |
|--------------|--------------------|-------------------------|----------|
| 20 | 3 | = 0 | = -0- |
| | | - 3** = 0 | X = -0- |
| | | | |

| Large Entity | Small Entity | Fee Description |
|-----------------------|---------------|------------------------------------------------------------|
| Fee Code (\$) | Fee Code (\$) | |
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 84 | 2201 42 | Independent claims in excess of 3 |
| 1203 280 | 2203 140 | Multiple dependent claim, if not paid if |
| 1204 84 | 2204 42 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) (\$ -0-) | | |

**or number previously paid, if greater. For Reissues, see above

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| 1802 900 | 1802 900 | Request for expedited examination of a design application | |
| Other fee (specify) _____ | | | |
| *Reduced by Basic Filing Fee Paid | | | SUBTOTAL (3) (\$ 40.00) |

(Complete if applicable)

| | | | |
|-------------------|----------------|-----------------------------------|--------|
| SUBMITTED BY | | | |
| Name (Print/Type) | Thomas J. Finn | Registration No. (Attorney/Agent) | 48,066 |
| Signature | J. Finn | | |
| Date | 8-4-03 | | |

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